WHAT IS CLAIMED IS:

1	1. In a computer system, a method of generating pronunciations for a
2	word that is represented by a waveform and text, such that the pronunciations are spelled by
3	phones in a phonetic alphabet for storage in a pronunciation dictionary, the method
4	comprising:
5	a. graphing sets of initial pronunciations; thereafter
6	b. in an ASR subsystem determining a highest-scoring set of initial
7	pronunciations;
8	c. generating sets of alternate pronunciations, wherein each set of alternate
9	pronunciations includes the highest-scoring set of initial pronunciations with a lowest-
10	probability phone of the highest-scoring initial pronunciation substituted with a unique-
11	substitute phone;
12	d. graphing the sets of alternate pronunciations;
13	e. determining in the ASR subsystem a highest-scoring set of alternate
14	pronunciations; and
15	f. adding to a pronunciation dictionary the highest-scoring set of alternate
16	pronunciations.
1	2. The method of claim 1, wherein step a. includes weighting the sets of
2	initial pronunciations with linguistic probabilities.
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1	3. The method of claim 2, wherein linguistic probabilities are calculated
2	according to a transformation probability P(B _i A), wherein B _i and A represent respective
3	sequence of phones for respective sets of pronunciations.
1	4. The method of claim 1, wherein step d. includes weighting the sets of
2	alternate pronunciations with linguistic probabilities.
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1	5. The method of claim 4, wherein linguistic probabilities are calculated
2	according to a transformation probability $P(B_i A)$, wherein B_i and A represent respective
3	sequence of phones for respective sets of pronunciations.
1	6. The method of claim 1 further comprising in the ASR subsystem
2	traversing branches of graphs of the sets of initial and alternate pronunciations to generate
2	george for the gets of initial and alternate propunciations

1 7. The method of claim 1 further comprising in the ASR subsystem 2 generating transcriptions of acoustic data spoken by a plurality of speakers, wherein the 3 transcriptions are included in the transcribed acoustic data. 1 8. The method of claim 7 further comprising in the ASR subsystem 2 collecting feedback from the plurality of speakers to affirm or disaffirm correct generation of the transcriptions, wherein if the transcriptions are affirmed as correct then the transcriptions 3 4 are entered in the transcribed acoustic data. 9. The method of claim 1 further comprising 1 2 g. generating a phone probability for each phone in the highest-scoring set of 3 initial pronunciations, wherein the lowest-probability phone has a lowest-phone probability. 1 10. The method of claim 1, further comprising: 2 g. generating the sets of initial pronunciations from initial pronunciations 3 generated by a letter-to-phone engine and/or extracted from the pronunciation dictionary. 1 11. The method of claim 1, wherein steps a., b., c., d., e., and f. are 2 repeated for each waveform of a plurality of waveforms that represent the word. 12. The method of claim 1, wherein steps c., d., and e. are repeated using 1 2 the highest-scoring set of alternate pronunciations as the highest-scoring set of initial 3 pronunciations. 1 13. The method of claim 1, wherein the sets of alternate pronunciations 2 include a set of alternate pronunciations that include the highest-scoring initial pronunciation 3 with the lowest-probability phone removed. 14. The method of claim 1, wherein the sets of alternate pronunciations 1 2 include additional sets of alternate pronunciations that include the highest-scoring initial 3 pronunciation having a unique phone inserted adjacent to the lowest-probability phone.

include additional sets of alternate pronunciations that include the highest-scoring initial

pronunciation having a sequence of two phones substituted for the lowest-probability phone.

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The method of claim 1, wherein the sets of alternate pronunciations

1	16. The method of claim 1, wherein the sets of alternate pronunciations
2	include additional sets of alternate pronunciations that include the highest-scoring initial
3	pronunciation having the lowest-probability phone and a right neighboring phone substituted
4	with a unique phone.
1	17. The method of claim 1, wherein the sets of alternate pronunciations
	include additional sets of alternate pronunciations that include the highest-scoring initial
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3	pronunciation with the lowest-probability phone and a left neighboring phone substituted
4	with a unique phone.
1	18. The method of claim 1, further comprising:
2	g. adding the highest-scoring set of initial pronunciations to the pronunciation
3	dictionary.
1	19. In a computer system, a method of generating pronunciations for a
2	word that is represented by a waveform and text, such that the pronunciations are spelled by
3	phones in a phonetic alphabet for storage in a pronunciation dictionary, the method
4	comprising:
5	a. graphing sets of initial pronunciations; thereafter
6	b. in an ASR subsystem determining a highest-scoring set of initial
7	pronunciations;
8	c. generating a set of alternate pronunciations that includes the highest-scoring
9	set of initial pronunciations with a lowest-probability phone of the highest-scoring initial
10	pronunciation substituted with a unique-substitute phone; and
11	d. adding to a pronunciation dictionary the set of alternate pronunciations and
12	the highest-scoring set of initial pronunciations.
1	20. The method of claim 19, wherein step a. includes weighting the sets of
2	initial pronunciations with linguistic probabilities.
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1	21. The method of claim 20, wherein linguistic probabilities are calculated
2	according to a transformation probability $P(B_i A)$, wherein B_i and A represent respective
2	cognonce of phones for respective sets of propunciations

The method of claim 19 further comprising in the ASR subsystem 22. 1 traversing branches of the graph to generate scores for the sets of initial pronunciations. 2 The method of claim 19 further comprising in the ASR subsystem 23. 1 generating transcriptions of acoustic data spoken by a plurality of speakers, wherein the 2 transcriptions are included in the transcribed acoustic data. 3 The method of claim 23 further comprising in the ASR subsystem 1 24. collecting feedback from the plurality of speakers to affirm or disaffirm correct generation of 2 the transcriptions, wherein if the transcriptions are affirmed as correct then the transcriptions 3 4 are entered in the transcribed acoustic data. 25. The method of claim 19 further comprising 1 e. generating a phone probability for each phone in the highest-scoring set of 2 initial pronunciations, wherein the lowest-probability phone has a lowest-phone probability. 3 26. The method of claim 19 further comprising: 1 e. generating the sets of initial pronunciations from initial pronunciations 2 3 generated by a letter-to-phone engine and/or extracted from the pronunciation dictionary. 1 27. The method of claim 19, wherein steps a., b., c., and d. are repeated for each waveform of a plurality of waveforms that represent the word. 2

alternate pronunciations as the highest-scoring set of initial pronunciations.

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1 2 The method of claim 19, wherein step c. is repeated using the set of